

### STATE OF MICHIGAN

RICK SNYDER
GOVERNOR

## DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET LANSING

DAVID B. BEHEN DIRECTOR

#### FOR IMMEDIATE RELEASE

Date: June 25, 2015

Contact: Kurt Weiss, 517-335-0050

# May Jobless Rates Increase Seasonally in Nearly All of Michigan's Regional Labor Markets

Employment and Workforce Levels Up in All Areas

Lansing – Seasonally unadjusted unemployment rates in May rose in 16 of the state's 17 major labor market areas, according to the Michigan Department of Technology, Management & Budget. Total employment and labor force levels increased in all major regions.

"The May jobless rate increases reflected the large expansion of workers entering the state's labor pool to take advantage of summer and seasonal employment opportunities," said Jason Palmer, director of the Bureau of Labor Market Information & Strategic Initiatives. "Although many individuals found employment in May, some were continuing their job search through the end of the month."

From April to May, the unemployment rate advances in the 16 regions ranged from 0.1 to 1.5 percentage points, with a median hike of 0.9 of a percentage point. The largest over-the-month jobless rate increase occurred in the Detroit-Warren-Dearborn Metropolitan Statistical Area (MSA). Five other regions recorded a rate increase of a full percentage point. The jobless rate in the Northeast Lower Michigan region declined slightly in May by -0.2 of a percentage point.

#### Jobless Rates Down Over Year

Since May 2014, unemployment rates fell in all 17 major regions. Reductions ranged from -1.0 to -2.0 percentage points with a median rate drop of -1.5 percentage points. The largest jobless rate decreases over that period were displayed in the Northeast Lower Michigan region and the Detroit-Warren-Dearborn MSA, with rates in both areas down by -2.0 percentage points.

#### Total Employment Up Over Month, Year

In May, the total employment gains in all regions were wide ranging from 0.1 to 6.8 percent with a median advance of 1.3 percent. By far the most pronounced additions were posted in the Northeast and Northwest Lower Michigan regions, with increases of 6.8 and 6.0 percent respectively, as hiring geared up for the summer tourism season. Combined, these two regions recorded a total employment surge in May of 13,000.

From May 2014 to May 2015, total employment rose in all 17 Michigan regions. Employment Increases since May 2014 ranged from 1.3 to 4.8 percent, with a significant median gain of 2.1 percent. Notable total employment advances over the year were registered in the Grand Rapids-Wyoming (+4.8%) and Muskegon (+3.2%) MSAs along with the Northwest Lower Michigan region (+2.8%) and Northeast Lower Michigan region (+2.7%).

#### Labor Force Levels Up Over Month, Year

From April to May, workforce levels rose seasonally in all 17 regions. In May, area labor force expansion ranged from 1.2 to 6.5 percent with a substantial median gain of 2.2 percent. Over the month, the top employment advances were displayed in the two Northern Lower Michigan regions.

Over the year, labor force levels rose in 13 areas, declined in two regions, and were essentially unchanged in both the Bay City and Jackson MSAs. Workforce increases over this period ranged from 0.1 to 3.5 percent with a median gain of 1.0 percent. Minor over-the-year labor force reductions were reported in the Detroit-Warren-Dearborn MSA (-0.5%) and the Upper Peninsula (-0.1%).

#### Widespread Seasonal Gain in May Payroll Jobs

The monthly survey of employers indicated that seasonally unadjusted payroll jobs in Michigan jumped by 81,000 or 1.9 percent in May to 4,312,000. The large widespread gains in May payroll jobs were for the most part seasonal, and were led by a 31,000 increase in leisure and hospitality services. Other significant seasonal job additions were posted in trade, transportation and utilities (+16,000), construction (+15,000), and professional and business services (+12,000). Manufacturing jobs rose over the month by 9,000, partially reflecting recalls from short-term layoffs in the auto industry. Government jobs (-9,000) recorded the only decline among major sectors in May. This reduction was seasonal, reflecting a cut in state government education jobs due to the end of the winter/spring semester at a number of the state's universities.

From April to May, payroll jobs increased in 13 of the 14 metropolitan areas in the state. Regional job gains ranged from 0.3 to 2.1 percent, with an average advance of 1.3 percent. Over the month, the largest increases were shared by seven regions, with job hikes of 1.8 percent or above. The smallest regional job gains in May were recorded in the Ann Arbor (+0.3%) and Lansing-East Lansing (+0.5%) MSAs. Payroll jobs fell slightly in May by -0.3 percent in the Kalamazoo-Portage MSA.

From May 2014 to May 2015, seasonally unadjusted payroll jobs increased statewide by 102,000 or 2.4 percent. Job gains over this period were substantial in nearly all of the state's major sectors, however advances in manufacturing, professional and business services, and construction accounted for 60 percent of the state's over-the-year job growth.

Since May 2014, payroll jobs rose in 13 metropolitan regions of the state with gains ranging from 0.4 to 4.1 percent, with a median increase of 1.6 percent. The largest payroll job gains over this period were displayed in the Grand Rapids-Wyoming (+4.1%), Detroit-Warren-Livonia (+2.7%), and Muskegon (+2.4%) MSAs. Payroll jobs declined slightly by -0.3 percent in the Bay City MSA over the year.

#### County Jobless Rates Up Over Month, Down Over Year

Sixty-nine of Michigan's 83 counties recorded seasonal unemployment rate increases in May with a median advance of 0.8 of a percentage point. Jobless rates were down slightly in ten counties over the month, while the rates in four were unchanged. In May, 79 Michigan counties displayed unemployment rates below 10.0 percent.

From May 2014 to May 2015, jobless rates dropped in 82 of the state's counties. The median decline over this period was -1.6 percentage points. Schoolcraft County posted an over-the-year rate increase due to a layoff event that began in April.

Note: Data in this release is **not seasonally adjusted**. As a result, employment and unemployment trends may differ from previously released Michigan seasonally adjusted data.

A breakdown of seasonally unadjusted May workforce estimates for Michigan and its 17 major labor market areas follows, along with a listing of county jobless rates for May.

Note to Editors: Please ensure that the source for state unemployment rates reads "Michigan Department of Technology, Management & Budget."

| rage 3, May Nates                                    |                 |                |               |          |          |
|--|-----------------|----------------|---------------|----------|----------|
|  | <u>May-14</u>   | Apr-15         | <u>May-15</u> | % change | % change |
| ANN ARBOR MSA  | <u> </u>        |                |               | month    | year     |
| (Washtenaw County)                                   |                 |                |               |          | •        |
| Civilian Labor Force                                 | 189,300         | 188,500        | 190,800       | 1.2%     | 0.8%     |
| Total Employment                                     | 179,300         | 182,500        | 182,700       | 0.1%     | 1.9%     |
| Unemployment   | 10,000          | 6,000          | 8,000         | 33.3%    | -20.0%   |
| Rate (percent)                                       | 5.3             | 3.2            | 4.2           |          |          |
| Contact: Luke Bunge, DTMB Regional Eco               | nomic Analyst   | t (517) 335-   | -3875         |          |          |
|  | <u>May-14</u>   | Apr-15         | <u>May-15</u> | % change | % change |
| BATTLE CREEK MSA                                     |                 |                |               | month    | year     |
| (Calhoun County)                                     |                 |                |               |          |          |
| Civilian Labor Force                                 | 65,100          | 64,500         | 66,000        | 2.3%     | 1.4%     |
| Total Employment                                     | 60,900          | 61,600         | 62,400        | 1.3%     | 2.5%     |
| Unemployment   | 4,200           | 2,900          | 3,600         | 24.1%    | -14.3%   |
| Rate (percent)                                       | 6.5             | 4.5            | 5.4           |          |          |
| Contact: Leonidas Murembya, DTMB Regi                | onal Economic   | c Analyst (5   | 517) 841-56   | 634      |          |
|  | <u>May-14</u>   | <u> Apr-15</u> | May-15        | % change | % change |
| BAY CITY MSA   |                 |                |               | month    | year     |
| (Bay County)   |                 |                |               |          |          |
| Civilian Labor Force                                 | 53,800          | 52,800         | 53,800        | 1.9%     | 0.0%     |
| Total Employment                                     | 49,800          | 50,000         | 50,500        | 1.0%     | 1.4%     |
| Unemployment Rate (percent)                          | 4,000<br>7.4    | 2,800<br>5.4   | 3,300<br>6.1  | 17.9%    | -17.5%   |
| rate (percent)                                       | 7.4             | 5.4            | 0.1           |          |          |
| Contact: Kevin Doyle, DTMB Regional Eco              | nomic Analyst   | (517) 335-     | 2161          |          |          |
|  | <u>May-14</u>   | <u> Apr-15</u> | <u>May-15</u> | % change | % change |
| DETROIT-WARREN-DEARBORN MSA                          |                 |                |               | month    | year     |
| (Data in thousands)                                  |                 |                |               |          |          |
| (Wayne, Oakland, Macomb, Lapeer,                     |                 |                |               |          |          |
| Livingston, St. Clair counties) Civilian Labor Force | 2,014           | 1,952          | 2,003         | 2.6%     | -0.5%    |
| Total Employment                                     | 1,841           | 1,853          | 1,871         | 1.0%     | 1.6%     |
| Unemployment   | 172             | 99             | 132           | 33.3%    | -23.3%   |
| Rate (percent)                                       | 8.6             | 5.1            | 6.6           |          |          |
| Contact: Bruce Weaver, DTMB Economic                 | Analyst (313) 4 | 456-3091       |               |          |          |
|  | <u>May-14</u>   | <u>Apr-15</u>  | <u>May-15</u> | % change | % change |
| FLINT MSA  |                 |                |               | month    | year     |
| (Genesee County)                                     |                 |                |               |          |          |
| Civilian Labor Force                                 | 186,600         | 184,400        | 187,700       | 1.8%     | 0.6%     |
| Total Employment                                     | 171,600         | 174,400        | 175,800       | 0.8%     | 2.4%     |

Contact: Kevin Doyle, DTMB Regional Economic Analyst (517) 335-2161

Unemployment

Rate (percent)

(more)

15,000

8.0

9,900

5.4

12,000

6.4

21.2%

-20.0%

|  | May-14  | Apr-15  | May-15  | % change | % change |
|--|---------|---------|---------|----------|----------|
| GRAND RAPIDS - WYOMING MSA               |         |         |         | month    | year     |
| (Barry, Kent, Montcalm, Ottawa counties) |         |         |         |          |          |
| Civilian Labor Force                     | 547,500 | 551,300 | 566,800 | 2.8%     | 3.5%     |
| Total Employment                         | 518,600 | 532,900 | 543,300 | 2.0%     | 4.8%     |
| Unemployment                             | 28,800  | 18,400  | 23,600  | 28.3%    | -18.1%   |
| Rate (percent)                           | 5.3     | 3.3     | 4.2     |          |          |

Contact: David Cole, DTMB Economic Analyst (313) 456-3145

|                      | <u>May-14</u> | Apr-15 | May-15 | % change | % change |
|----------------------|---------------|--------|--------|----------|----------|
| JACKSON MSA          |               |        |        | month    | year     |
| (Jackson County)     |               |        |        |          |          |
| Civilian Labor Force | 74,000        | 72,400 | 74,000 | 2.2%     | 0.0%     |
| Total Employment     | 68,900        | 68,900 | 69,800 | 1.3%     | 1.3%     |
| Unemployment         | 5,100         | 3,400  | 4,200  | 23.5%    | -17.6%   |
| Rate (percent)       | 6.9           | 4.8    | 5.7    |          |          |

Contact: Leonidas Murembya, DTMB Regional Economic Analyst (517) 841-5634

|                                    | May-14  | <u> Apr-15</u> | May-15  | % change | % change |
|------------------------------------|---------|----------------|---------|----------|----------|
| KALAMAZOO - PORTAGE MSA            |         |                |         | month    | year     |
| (Kalamazoo and Van Buren counties) |         |                |         |          |          |
| Civilian Labor Force               | 163,900 | 163,800        | 165,800 | 1.2%     | 1.2%     |
| Total Employment                   | 153,400 | 157,000        | 157,200 | 0.1%     | 2.5%     |
| Unemployment                       | 10,400  | 6,900          | 8,600   | 24.6%    | -17.3%   |
| Rate (percent)                     | 6.4     | 4.2            | 5.2     |          |          |

Contact: Leonidas Murembya, DTMB Regional Economic Analyst (517) 841-5634

|                                       | <u>May-14</u> | Apr-15  | May-15  | % change | % change |
|---------------------------------------|---------------|---------|---------|----------|----------|
| LANSING - EAST LANSING MSA            |               |         |         | month    | year     |
| (Clinton, Eaton, and Ingham counties) |               |         |         |          |          |
| Civilian Labor Force                  | 245,300       | 242,600 | 246,000 | 1.4%     | 0.3%     |
| Total Employment                      | 229,600       | 233,100 | 234,100 | 0.4%     | 2.0%     |
| Unemployment                          | 15,700        | 9,500   | 11,900  | 25.3%    | -24.2%   |
| Rate (percent)                        | 6.4           | 3.9     | 4.8     |          |          |

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|                      | May-14 | Apr-15 | May-15 | % change | % change |
|----------------------|--------|--------|--------|----------|----------|
| MIDLAND MSA          |        |        |        | month    | year     |
| (Midland County)     |        |        |        |          |          |
| Civilian Labor Force | 42,100 | 41,600 | 42,500 | 2.2%     | 1.0%     |
| Total Employment     | 39,500 | 39,800 | 40,300 | 1.3%     | 2.0%     |
| Unemployment         | 2,600  | 1,800  | 2,200  | 22.2%    | -15.4%   |
| Rate (percent)       | 6.2    | 4.4    | 5.2    |          |          |

Contact: Kevin Doyle, DTMB Regional Economic Analyst (517) 335-2161

(more)

|  | <u>May-14</u> | <u>Apr-15</u>  | <u>May-15</u> | % change | % change |
|--|---------------|----------------|---------------|----------|----------|
| MONROE MSA                               |               |                |               | month    | year     |
| (Monroe County) Civilian Labor Force     | 76,700        | 75,900         | 77,500        | 2.1%     | 1.0%     |
| Total Employment                         | 71,800        | 72,800         | 73,700        | 1.2%     | 2.6%     |
| Unemployment                             | 4,900         | 3,100          | 3,800         | 22.6%    | -22.4%   |
| Rate (percent)                           | 6.4           | 4.1            | 4.9           |          |          |
| Contact: Bruce Weaver, DTMB Economic A   | nalyst (313)  | 456-3091       |               |          |          |
|  | <u>May-14</u> | <u>Apr-15</u>  | <u>May-15</u> | % change | % change |
| MUSKEGON MSA                             | <u>,</u>      | <u></u>        | <u>,</u>      | month    | year     |
| (Muskegon County)                        |               |                |               |          | ,        |
| Civilian Labor Force                     | 77,500        | 77,100         | 78,800        | 2.2%     | 1.7%     |
| Total Employment                         | 71,600        | 73,200         | 73,900        | 1.0%     | 3.2%     |
| Unemployment                             | 5,900         | 3,900          | 4,800         | 23.1%    | -18.6%   |
| Rate (percent)                           | 7.6           | 5.1            | 6.1           |          |          |
| Contact: David Cole, DTMB Economic Analy | yst (313) 456 | -3145          |               |          |          |
|  | May-14        | Apr-15         | May-15        | % change | % change |
| NILES - BENTON HARBOR MSA                | May-14        | <u> Api-13</u> | May-15        | month    | year     |
| (Berrien County)                         |               |                |               |          | , , ,    |
| Civilian Labor Force                     | 74,900        | 73,100         | 75,000        | 2.6%     | 0.1%     |
| Total Employment                         | 69,600        | 69,700         | 70,800        | 1.6%     | 1.7%     |
| Unemployment                             | 5,200         | 3,400          | 4,200         | 23.5%    | -19.2%   |
| Rate (percent)                           | 7.0           | 4.6            | 5.6           |          |          |
| Contact: Leonidas Murembya, DTMB Regio   | nal Economic  | c Analyst (5   | 517) 841-56   | 34       |          |
|  | May-14        | Apr-15         | <u>May-15</u> | % change | % change |
| SAGINAW MSA                              |               | ·              |               | month    | year     |
| (Saginaw County)                         |               |                |               |          |          |
| Civilian Labor Force                     | 89,500        | 88,300         | 89,800        | 1.7%     | 0.3%     |
| Total Employment                         | 82,600        | 83,800         | 84,300        | 0.6%     | 2.1%     |
| Unemployment                             | 6,900         | 4,600          | 5,500         | 19.6%    | -20.3%   |
| Rate (percent)                           | 7.7           | 5.2            | 6.1           |          |          |
| Contact: Kevin Doyle, DTMB Regional Econ | omic Analyst  | (517) 335-     | 2161          |          |          |
|  | <u>May-14</u> | <u> Apr-15</u> | <u>May-15</u> | % change | % change |
| UPPER PENINSULA LMA                      |               |                |               | month    | year     |
| (15 counties)                            |               |                |               |          |          |
| Civilian Labor Force                     | 142,800       | 140,800        | 142,700       | 1.3%     | -0.1%    |
| Total Employment                         | 130,600       | 131,400        | 132,700       | 1.0%     | 1.6%     |
| Unemployment                             | 12,200        | 9,400          | 10,000        | 6.4%     | -18.0%   |
| Rate (percent)                           | 8.5           | 6.7            | 7.0           |          |          |

Contact: Bruce Weaver, DTMB Economic Analyst (313) 456-3091

(more)

| NORTHEAST LOWER MICHIGAN (Alcona, Alpena, Cheboygan, Crawford, Iosco, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon counties) | <u>May-14</u> | <u>Apr-15</u> | <u>May-15</u> | % change<br>month | % change<br>year |  |
|--|---------------|---------------|---------------|-------------------|------------------|--|
| Civilian Labor Force   | 84,400        | 79,700        | 84,900        | 6.5%              | 0.6%             |  |
| Total Employment   | 76,500        | 73,600        | 78,600        | 6.8%              | 2.7%             |  |
| Unemployment   | 8,000         | 6,100         | 6,300         | 3.3%              | -21.3%           |  |
| Rate (percent)   | 9.4           | 7.6           | 7.4           |                   |                  |  |
| Contact: Bruce Weaver, DTMB Economic Ana   | , ,           |               | May 45        | 04                | 0/ 1             |  |
| NORTHWEST LOWER MICHIGAN (Antrim, Charlevoix, Emmet, Benzie, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee, Wexford counties)      | <u>May-14</u> | <u>Apr-15</u> | <u>May-15</u> | % change<br>month | % change<br>year |  |
| Civilian Labor Force   | 149,600       | 142,600       | 151,200       | 6.0%              | 1.1%             |  |
| Total Employment   | 138,000       | 133,900       | 141,900       | 6.0%              | 2.8%             |  |
| Unemployment   | 11,600        | 8,600         | 9,300         | 8.1%              | -19.8%           |  |
| Rate (percent)   | 7.7           | 6.1           | 6.2           |                   |                  |  |
| Contact: Bruce Weaver, DTMB Economic Analyst (313) 456-3091  |               |               |               |                   |                  |  |
|  | May-14        | Apr-15        | May-15        | % change          | % change         |  |
| MICHIGAN (Data in thousands)   |               | <u></u>       |               | month             | year             |  |
| Civilian Labor Force   | 4,771         | 4,677         | 4,797         | 2.6%              | 0.5%             |  |
| Total Employment   | 4,412         | 4,453         | 4,515         | 1.4%              | 2.3%             |  |
| Unemployment   | 359           | 224           | 282           | 25.9%             | -21.4%           |  |
| Rate (percent)   | 7.5           | 4.8           | 5.9           |                   |                  |  |

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## MICHIGAN COUNTIES RANKED BY UNEMPLOYMENT RATE MAY 2015

| 1 Ottawa County         4.0         43 Genesee County         6.4           2 Kent County         4.1         44 Otsego County         6.5           3 Clinton County         4.2         45 Van Buren County         6.6           4 Washtenaw County         4.2         46 Missaukee County         6.6           5 Barry County         4.4         47 Sanilac County         6.7           6 Allegan County         4.7         49 Delta County         6.7           7 Eaton County         4.7         50 Benzie County         6.8           9 Grand Traverse County         4.8         51 Osceola County         6.8           10 Kalamazoo County         4.8         51 Osceola County         6.9           11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         54 Emmet County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         60 Wexford County                 | 4  | Ottowa County  | 4.0 | 40 | Canagaa Cauntu     | C 4  |
|---|----|----------------|-----|----|--------------------|------|
| 3 Clinton County         4.2         45 Van Buren County         6.5           4 Washtenaw County         4.2         46 Missaukee County         6.6           5 Barry County         4.4         47 Sanilac County         6.6           6 Allegan County         4.4         48 Manistee County         6.7           7 Eaton County         4.7         49 Delta County         6.8           8 St. Joseph County         4.8         51 Osceola County         6.8           9 Grand Traverse County         4.8         51 Osceola County         6.9           11 Ionia County         4.8         52 Tuscola County         6.9           12 Mackinac County         4.9         54 Emmet County         6.9           13 Monroe County         4.9         54 Emmet County         7.1           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         57 Iosco County         7.3           17 Leelanau County         5.3         60 Wexford County         7.3           18 Livingston County         5.3         61 Oceana County         7.4           20 Lenawee County         5.3         62 Antrim Co          | -  | •              |     |    | -                  |      |
| 4 Washtenaw County         4.2         46 Missaukee County         6.6           5 Barry County         4.4         47 Sanilac County         6.6           6 Allegan County         4.4         48 Manistee County         6.7           7 Eaton County         4.7         49 Delta County         6.7           8 St. Joseph County         4.8         51 Osceola County         6.8           9 Grand Traverse County         4.8         51 Osceola County         6.9           10 Kalamazoo County         4.8         52 Tuscola County         6.9           11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         54 Emmet County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           19 Menominee County         5.3         61 Ocea          |    | •              |     |    | •                  |      |
| 5 Barry County         4.4         47 Sanilac County         6.6           6 Allegan County         4.4         48 Manistee County         6.7           7 Eaton County         4.7         50 Benzie County         6.8           8 St. Joseph County         4.8         51 Osceola County         6.8           9 Grand Traverse County         4.8         52 Tuscola County         6.9           10 Kalamazoo County         4.8         52 Tuscola County         6.9           11 Ionia County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         54 Emmet County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           19 Menominee County         5.3         61 Oceana County         7.5           21 Branch County         5.3         62 Antrim County         7.5           21 Branch County         5.3         62 Antrim Coun          |    | -              |     |    | -                  |      |
| 6 Allegan County         4.4         48 Manistee County         6.7           7 Eaton County         4.7         49 Delta County         6.7           8 St. Joseph County         4.7         50 Benzie County         6.8           9 Grand Traverse County         4.8         51 Osceola County         6.9           10 Kalamazoo County         4.8         52 Tuscola County         6.9           11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         55 Houghton County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 losco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           19 Menominee County         5.3         60 Wexford County         7.3           20 Lenawee County         5.3         61 Oceana County         7.5           21 Branch County         5.3         62 Antr          |    | -              |     |    | •                  |      |
| 7 Eaton County         4.7         49 Delta County         6.7           8 St. Joseph County         4.7         50 Benzie County         6.8           9 Grand Traverse County         4.8         51 Osceola County         6.9           10 Kalamazoo County         4.8         52 Tuscola County         6.9           11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         54 Emmet County         7.2           14 Ingham County         5.2         57 Iosco County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         57 Iosco County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         59 St. Clair County         7.3           19 Menominee County         5.3         60 Wexford County         7.3           20 Lenawee County         5.3         61 Oceana County         7.5           21 Branch County         5.3         62 Antrim County         7.5           22 Isabella County         5.4         65 Kal          |    |                |     |    | •                  |      |
| 8         St. Joseph County         4.7         50         Benzie County         6.8           9         Grand Traverse County         4.8         51         Osceola County         6.8           10         Kalamazoo County         4.8         52         Tuscola County         6.9           11         Ionia County         4.8         53         Mecosta County         6.9           12         Mackinac County         4.9         54         Emmet County         7.1           13         Monroe County         4.9         55         Houghton County         7.2           14         Ingham County         5.1         56         Iron County         7.2           15         Cass County         5.2         57         Iosco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         69         Wexford County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           18         Livingston County         5.3         61         Oceana County         7.4           20         Lenawee County   |    | •              |     |    | •                  |      |
| 9 Grand Traverse County         4.8         51 Osceola County         6.8           10 Kalamazoo County         4.8         52 Tuscola County         6.9           11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         55 Houghton County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 losco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           19 Menominee County         5.3         61 Oceana County         7.4           20 Lenawee County         5.3         62 Antrim County         7.5           21 Branch County         5.3         62 Antrim County         7.5           22 Isabella County         5.3         64 Gladwin County         7.6           23 Oakland County         5.4         6          |    | •              |     |    | •                  |      |
| 10         Kalamazoo County         4.8         52         Tuscola County         6.9           11         Ionia County         4.8         53         Mecosta County         6.9           12         Mackinac County         4.9         54         Emmet County         7.1           13         Monroe County         4.9         55         Houghton County         7.2           14         Ingham County         5.1         56         Iron County         7.2           15         Cass County         5.2         57         losco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           18         Livingston County         5.3         61         Oceana County         7.3           19         Menominee County         5.3         62         Antrim County         7.5           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         <   |    |                |     |    |                    |      |
| 11 Ionia County         4.8         53 Mecosta County         6.9           12 Mackinac County         4.9         54 Emmet County         7.1           13 Monroe County         4.9         55 Houghton County         7.2           14 Ingham County         5.1         56 Iron County         7.2           15 Cass County         5.2         57 Iosco County         7.3           16 Midland County         5.2         58 Luce County         7.3           17 Leelanau County         5.3         59 St. Clair County         7.3           18 Livingston County         5.3         60 Wexford County         7.3           19 Menominee County         5.3         61 Oceana County         7.3           20 Lenawee County         5.3         62 Antrim County         7.5           21 Branch County         5.3         63 Lapeer County         7.5           22 Isabella County         5.3         64 Gladwin County         7.6           23 Oakland County         5.4         65 Kalkaska County         7.6           24 Calhoun County         5.4         65 Kalkaska County         7.7           25 Huron County         5.5         67 Wayne County         7.7           26 Cheboygan County         5.6         69 Alcona Co          |    |                |     |    | -                  |      |
| 12         Mackinac County         4.9         54         Emmet County         7.1           13         Monroe County         4.9         55         Houghton County         7.2           14         Ingham County         5.1         56         Iron County         7.2           15         Cass County         5.2         57         losco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.3           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.4         65         Kalkaska County         7.6           23         Oakland County         <   |    | •              |     |    | •                  |      |
| 13         Monroe County         4.9         55         Houghton County         7.2           14         Ingham County         5.1         56         Iron County         7.2           15         Cass County         5.2         57         losco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.3         64         Gladwin County         7.6           22         Isabella County         5.4         65         Kalkaska County         7.6           24         Calhoun County  |    |                |     |    |                    |      |
| 14         Ingham County         5.1         56         Iron County         7.2           15         Cass County         5.2         57         losco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.4         65         Kalkaska County         7.6           23         Oakland County         5.4         66         Crawford County         7.7           24         Calhoun County         5.5         67         Wayne County         7.7           25         Huron County         5.6<   |    | •              |     |    | •                  |      |
| 15         Cass County         5.2         57         losco County         7.3           16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.3         64         Gladwin County         7.5           21         Branch County         5.4         65         Kalkaska County         7.6           22         Isabella County         5.4         66         Crawford County         7.7           24         Calhoun County         5.5         67         Wayne County         7.7           25         Huron County  |    |                |     |    |                    |      |
| 16         Midland County         5.2         58         Luce County         7.3           17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.3         64         Gladwin County         7.5           22         Isabella County         5.4         65         Kalkaska County         7.6           23         Oakland County         5.4         66         Crawford County         7.7           24         Calhoun County         5.5         67         Wayne County         7.7           25         Huron County         5.6         68         Ogemaw County         7.7           26         Cheboygan County   |    | •              |     |    |                    |      |
| 17         Leelanau County         5.3         59         St. Clair County         7.3           18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           21         Branch County         5.3         64         Gladwin County         7.6           22         Isabella County         5.4         65         Kalkaska County         7.6           23         Oakland County         5.4         66         Crawford County         7.7           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           26         Cheboygan County         5.6         68         Ogemaw County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> |    |                |     |    | -                  |      |
| 18         Livingston County         5.3         60         Wexford County         7.3           19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           22         Isabella County         5.3         64         Gladwin County         7.6           23         Oakland County         5.4         65         Kalkaska County         7.6           24         Calhoun County         5.4         66         Crawford County         7.7           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           26         Cheboygan County         5.6         68         Ogemaw County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County         5.7         70         Clare County         7.9           29         Jackson County  |    | ,              |     |    | •                  |      |
| 19         Menominee County         5.3         61         Oceana County         7.4           20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           22         Isabella County         5.3         64         Gladwin County         7.6           23         Oakland County         5.4         65         Kalkaska County         7.6           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           25         Huron County         5.6         68         Ogemaw County         7.7           26         Cheboygan County         5.6         69         Alcona County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County         5.7         70         Clare County         7.9           29         Jackson County         5.7         71         Gogebic County         7.9           30         Hillsdale County   |    |                |     |    |                    |      |
| 20         Lenawee County         5.3         62         Antrim County         7.5           21         Branch County         5.3         63         Lapeer County         7.5           22         Isabella County         5.3         64         Gladwin County         7.6           23         Oakland County         5.4         65         Kalkaska County         7.6           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           26         Cheboygan County         5.6         68         Ogemaw County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County         5.7         70         Clare County         7.9           29         Jackson County         5.7         71         Gogebic County         7.9           29         Jackson County         5.8         72         Chippewa County         8.2           31         Mason County         5.8         73         Arenac County         8.8           32         Shiawassee County  |    |                |     |    |                    |      |
| 21         Branch County         5.3         63         Lapeer County         7.5           22         Isabella County         5.3         64         Gladwin County         7.6           23         Oakland County         5.4         65         Kalkaska County         7.6           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           26         Cheboygan County         5.6         68         Ogemaw County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County         5.7         70         Clare County         7.9           29         Jackson County         5.7         71         Gogebic County         7.9           29         Jackson County         5.8         72         Chippewa County         8.2           31         Mason County         5.8         72         Chippewa County         8.2           31         Mason County         5.8         73         Arenac County         9.1           33         Montcalm County  |    |                |     |    | ,                  |      |
| 22         Isabella County         5.3         64         Gladwin County         7.6           23         Oakland County         5.4         65         Kalkaska County         7.6           24         Calhoun County         5.4         66         Crawford County         7.7           25         Huron County         5.5         67         Wayne County         7.7           26         Cheboygan County         5.6         68         Ogemaw County         7.8           27         Berrien County         5.6         69         Alcona County         7.9           28         Dickinson County         5.7         70         Clare County         7.9           29         Jackson County         5.7         71         Gogebic County         7.9           29         Jackson County         5.8         72         Chippewa County         8.2           31         Mason County         5.8         72         Chippewa County         8.8           32         Shiawassee County         5.8         73         Arenac County         9.1           33         Montcalm County         5.9         75         Lake County         9.1           34         Newaygo County  |    | •              |     |    | -                  |      |
| 23Oakland County5.465Kalkaska County7.624Calhoun County5.466Crawford County7.725Huron County5.567Wayne County7.726Cheboygan County5.668Ogemaw County7.827Berrien County5.669Alcona County7.928Dickinson County5.770Clare County7.929Jackson County5.771Gogebic County7.930Hillsdale County5.872Chippewa County8.231Mason County5.873Arenac County8.832Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    | •              |     |    |                    |      |
| 24       Calhoun County       5.4       66       Crawford County       7.7         25       Huron County       5.5       67       Wayne County       7.7         26       Cheboygan County       5.6       68       Ogemaw County       7.8         27       Berrien County       5.6       69       Alcona County       7.9         28       Dickinson County       5.7       70       Clare County       7.9         29       Jackson County       5.7       71       Gogebic County       7.9         30       Hillsdale County       5.8       72       Chippewa County       8.2         31       Mason County       5.8       73       Arenac County       8.8         32       Shiawassee County       5.8       74       Alger County       9.1         33       Montcalm County       5.9       75       Lake County       9.1         34       Newaygo County       5.9       76       Oscoda County       9.1         35       Bay County       6.1       77       Roscommon County       9.2         36       Muskegon County       6.1       78       Montmorency County       9.6         37       Saginaw Co   |    | -              |     |    | •                  |      |
| Huron County 5.5 67 Wayne County 7.7 Cheboygan County 5.6 68 Ogemaw County 7.8 Perrien County 5.6 69 Alcona County 7.9 Dickinson County 5.7 70 Clare County 7.9 Jackson County 5.7 71 Gogebic County 7.9 Hillsdale County 5.8 72 Chippewa County 8.2 Mason County 5.8 73 Arenac County 8.8 Shiawassee County 5.8 74 Alger County 9.1 Mewaygo County 5.9 75 Lake County 9.1 Mewaygo County 5.9 76 Oscoda County 9.1 Muskegon County 6.1 77 Roscommon County 9.2 Muskegon County 6.1 78 Montmorency County 9.6 Muskegon County 6.1 79 Presque Isle County 9.6 Charlevoix County 6.3 80 Baraga County 10.0 Alpena County 6.3 81 Keweenaw County 10.3 Marquette County 6.3 82 Ontonagon County 10.4 Macomb County 6.4 83 Schoolcraft County 11.8  |    |                |     |    | -                  |      |
| 26Cheboygan County5.668Ogemaw County7.827Berrien County5.669Alcona County7.928Dickinson County5.770Clare County7.929Jackson County5.771Gogebic County7.930Hillsdale County5.872Chippewa County8.231Mason County5.873Arenac County8.832Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    |                |     |    |                    |      |
| 27Berrien County5.669Alcona County7.928Dickinson County5.770Clare County7.929Jackson County5.771Gogebic County7.930Hillsdale County5.872Chippewa County8.231Mason County5.873Arenac County8.832Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8  |    | -              |     |    | •                  |      |
| 28Dickinson County5.770Clare County7.929Jackson County5.771Gogebic County7.930Hillsdale County5.872Chippewa County8.231Mason County5.873Arenac County8.832Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    |                |     |    | -                  |      |
| 29Jackson County5.771Gogebic County7.930Hillsdale County5.872Chippewa County8.231Mason County5.873Arenac County8.832Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    |                |     |    | •                  |      |
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| 31 Mason County5.873 Arenac County8.832 Shiawassee County5.874 Alger County9.133 Montcalm County5.975 Lake County9.134 Newaygo County5.976 Oscoda County9.135 Bay County6.177 Roscommon County9.236 Muskegon County6.178 Montmorency County9.637 Saginaw County6.179 Presque Isle County9.638 Charlevoix County6.380 Baraga County10.039 Alpena County6.381 Keweenaw County10.340 Marquette County6.382 Ontonagon County10.441 Macomb County6.483 Schoolcraft County11.8  |    |                |     |    | 9                  |      |
| 32Shiawassee County5.874Alger County9.133Montcalm County5.975Lake County9.134Newaygo County5.976Oscoda County9.135Bay County6.177Roscommon County9.236Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    | ,              |     |    |                    |      |
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| 36Muskegon County6.178Montmorency County9.637Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8   |    | , ,            |     |    | •                  |      |
| 37Saginaw County6.179Presque Isle County9.638Charlevoix County6.380Baraga County10.039Alpena County6.381Keweenaw County10.340Marquette County6.382Ontonagon County10.441Macomb County6.483Schoolcraft County11.8  |    | •              |     |    |                    |      |
| 38 Charlevoix County6.380 Baraga County10.039 Alpena County6.381 Keweenaw County10.340 Marquette County6.382 Ontonagon County10.441 Macomb County6.483 Schoolcraft County11.8   |    |                |     |    | •                  |      |
| 39 Alpena County6.381 Keweenaw County10.340 Marquette County6.382 Ontonagon County10.441 Macomb County6.483 Schoolcraft County11.8  |    | •              |     |    | •                  |      |
| 40 Marquette County6.382 Ontonagon County10.441 Macomb County6.483 Schoolcraft County11.8   |    | -              |     |    | <u> </u>           |      |
| 41 Macomb County 6.4 83 Schoolcraft County 11.8   |    |                |     |    |                    |      |
|   |    |                |     |    | •                  |      |
| 42 Gratiot County 6.4   |    | ,              |     | 83 | Schoolcraft County | 11.8 |
|   | 42 | Gratiot County | 6.4 |    |                    |      |